

On the Relationship Between the Functional Activity of
of an Organ and Its 24-Hour Mitotic Rhythm, by
N. V. Krasil'nikova, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLII, No 5, 1962, pp 1165-1167.

AIDS

Sci

243,986

Nov 63

Vagus Nerve Innervation of the Spinal Cord Blood
Vessels, by P. A. Motavkin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLII, No 5, 1962, pp 1168-1171.

AIBS

Sci

Nov 63

The Effect of Plant Growth-Promoting Substances on
Phytophagous Insects, by N. M. Edel'man, A. M. Efros,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLII, No 5, 1962, pp 1172-1175.

AIBS

Sci

Nov 63

Modification of Biosynthesis of Vitamin B₁₂ and
PABA in B. Megatherium Under Influence of Adaptation
to Sulfathiazole, by N. D. Ierusalimskiy,
L. D. Shaforestova, X 3 pp.

RUSSIAN, per, Dok Ak ~~XXX~~ Nauk SSSR, Biol Section,
Vol CXLII, No 5, pp 1176-1179.

AIBS

Sci

Nov 63

Rate of Phospholipid Metabolism in Central Nervous
System of Rats During Acute Radiation Sickness,
by S. V. Gasteva, D. A. Chetverikov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLII, No 5, 1962, pp 1180-1183.

Sci

Nov 63

AIBS
Amer. Inst. Phys.
Sov Phys - Dok
Vol VII, No 2

Comparative Study of the Composition of the Ribonucleic Acids of Some Vertebrate and Invertebrate Animals, by A. S. Antonov, A. N. Belozerskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section, Vol CXLII, No 5, 1962, pp 1184-1187.

AIBS

Sci

Nov 63

Composition of the DNA of Pasteurella Pestis and
Pasteurella Pseudotuberculosis of Rodents, by
M. L. Bekker, A. Z. Kutsemakina, et al, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLII, No 5, 1962, pp 1188-1189.

AIBS

Sci

Nov 63

Synthesis From Glycogen of Oligosaccharides Possessing
Different Types of Linkages by the Action of a Liber M
Enzyme Preparation, by I. S. ~~KHKKKK~~ Lukomskaya, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLII, No 5, 1962, pp 1190-1192.

AIBS

Sci

Nov 63

Flavonoids of Pastinaca ~~XX~~Sativa L. Fruit, by
N. P. Maksyutina, D. G. Kolesnikov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol ~~XX~~ CXLII, No 5, 1962, pp 1193-1196.

AIBS

Sci

Nov 63

Nucleic Acids and Remote Hybridization of Yeasts, by
G. P. Serenkov, S. V. Kust, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLII, No 5, 1962, pp 1197-1200.

AIBS

Sci

Nov 63

Effect of Boron on Incorporation of C^{14} Adenine
Into the Ribonucleic Acid of Sunflower Leaves and
Roots, by E. A. Sherstnev, G. V. Kurilenok, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLII, No 5, 1962, pp 1201-1202.

AIBS

Sci

Nov 63

Russian to French
OTS TT-63-26821

Comparative Study of the Amino Acid Composition of
Linden Flower (Tilia) and Sophora Bud (Sophora
Japonica) Proteins, by S. I. Yankov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLII, No 5, 1962, pp 1203-1204.

AIBS

Sci

Nov 63

Microsporogenesis and Pollen Grain Development in
What, by T. B. Batygina, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLII, No 5, 1962, pp 1205-1208.

AIBS

Sci

Nov 63

Changes in Composition of Amino Acids in Grafted Plants,
by E. S. Dvundzhyan, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLII, No 5, 1962, pp 1209-1211.

AIBS

Sci

Nov 63

The Nutrition of Asexual Trematodes, by A. V. Uspenskaya,
3 pp. (Monogeneidae)

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLII, No 5, 1962, pp 1212-1215.

AIBS

Sci

TT-64-19374

Nov 63

Specific Inhibition of the Activity of Oxidation-
Reduction Enzymes of the Glycolytic Sequence by
Inhibitors of Free-Radical Reactions, by E. A. Neifakh,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLII, No 5, 1962, pp 1405-1408.

AIBS

Sci

Nov 63

A Spreading Wave of Excitation in Higher Plants, by
I. I. Gunar and A. N. Sinyukhin, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLII, No 6, pp 954-956,

AIBS

Sci

Nov 63

On Continuous Additive Functionals of a
Multidimensional Wiener Process, by A. D.
Ventcel', 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLII, No 6,
1962, pp 1223-1226.

Amer Math Soc
Vol 3, No 1

Sci - Math

211.5-44

Sep 62

Asymptotic Behavior of Solutions of a Second-Order
Linear Differential Equation in Banach Space as a
Small Parameter With the First and Second Derivatives
Approaches Zero, by L. A. Groza, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLII, No 6,
1962, pp 1227-1230.

Amer Math Soc
Vol 3, no 1

Sci - Math

211, 537

Aug 62

Variability of Simple Double Points on Real Plane
Algebraic Curves, by D. A. Gudkov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLII, No 5,
1962, pp 1233-1235.

Amer Math Soc
Vol 3, No 1

Sci - Math

211, 538

Sep 62

The Method of Nets for Solving Parabolic Equations of
Order $2m$ With $2m$ Separable Variables, by E. G.
D'jakonov, 3 pp. *Vol C7211*

RUSSIAN, per, Dok Ak Nauk SSSR, No 6, 1962,
pp ~~1236-1238~~ 1236-1238.

Am. Math Soc
Vol 3, No 1

Sci - Math

211, 539

Sep 2 62

Conditions for Self-Adjointness of Differential
Operators of Higher Order, by R. S. Ismagilov,
5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLII, No 6
1962, pp 1239-1242.

Amer Math Soc
Vol 3, No 1

211, 540

Sci - Math

Sep 62

On the Theory of Boundary-Value Problems With
Conditions at the ~~Left~~ Boundary Containing
Parameters, by V. I. Kondrasov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLII,
No 6, 1962, pp 1243-1246.

Amer Math Soc
Vol 3, No 1

Sci - Math

211, 533

Sep 62

On a Semigroup of Operators in Frechet Space, by
L. Mate, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLII, No 6,
1962, pp 1247-1250.

Amer Math Soc
Vol 3, No 1

Sci - Math

211, 534/

Sep 62

An Existence Theorem for the Solution of a
Boundary Value Problem for an Equation of
Mixed Type, by B. V. Malent'yev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CKLII, No 6,
1962, pp 1251-1254.

Amer Math Soc
Vol 3, No 1

Sci - Math

211,535-

Sep 62

Topologico-Metric Properties of the Multiplicative
Lattice of the Integers, by E. V. Novoselov,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XLII, No 6,
1962, pp 1255-1257.

Amer Math Soc
Vol 3, No 1

Sci - Math

211,536

Sep 62

A Note on Commutative Semigroups, by I. S.
Ponizovskiy, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLII,
No 6, 1962, pp 1258-1260.

Amer Math Soc
Vol 3, No 1

Sci - Math

211, 651

Sep 62

The Existence, Uniqueness and Asymptotic Behavior
of the Solution of a Boundary-Value Problem for a
System of Differential Equations With a Small
Parameter in the Term Containing the Highest
Derivative, by V. A. Tupolev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. CXLII, No 6,
1962, pp 1261-1264.

Amer Math Soc
Vol 3, No 1

Sci - Math

211, 652

Sep 62

Some Properties of Secondary Ion-Neutral Emission,
by U. A. Arifov, N. N. Flyants, and A. Kh. Ayukhanov,
2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLII, No 6,
1962, pp 1265-1267.

AIP
Sov Phys - Dok
Vol VII, No 2

Sci - Phys Sec

Aug 62

ON THE SPECTRUM OF ELEMENTARY EXCITATIONS IN THE
THEORY OF SUPERCONDUCTIVITY, BY E. R. VELIBEKOV, 4 P.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXLII, NO 6,
1962, PP 1268-1271.

AIP
SOV PHY - DOK
VOL VII, NO 2,

SCI - PHYS
AUG 62

208,833

Some Criteria for Generalized Solvability and ~~RECENT~~
Speciality of γ -Groups, by V. p. Gromyko, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLII,
No 6, 1962, pp/271-272.

CB

Sci - Math

Aug 62

THE APPLICABILITY OF THE DIELECTRIC CONSTANT FOR THE
CHARACTERISTICS OF INTERACTION IN SOLUTIONS, BY
V. V. ZELINSKIY, V. P. KOLOBKOV, 3 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXLII, NO 6,
1962, PP 1272-1275.

AIP
SOV PHYS - DOK
VOL VII, NO 2

SCI - PHY S
AUG 6 2

208,834

The Interpretation of the L_{B2} Emission Band of
Niobium, by M. I. Korsunskiy, Ya. E. Genkin, 2 pp.

~~XXX~~

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLII, No 6,
1962, pp 1276-1277.

AIP
Sov ~~Ex~~ Phys - Dok
Vol VII, No 2

Sci - Phys Sec

Aug 62

DIAMAGNETIC SUSCEPTIBILITY AND THE EXPERIMENTALLY
DETERMINED ELECTRON DENSITY DISTRIBUTION IN CRYSTALS, E.
N. N. SIROTA, 4 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, COL, CXLII, NO 6,
1962, PP 1278-1281.

AIP
SOV PHYS - DOK
VOL VII, NO 2

SCI - PHYS
AUG 62

208,835

The Generation Strength of a Plane-Parallel Layer,
by B. I. Stepanov, A. M. Samson, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLII,
No 6, 1962, pp 1282-1284.

AIP
Sov Phys - Dok
Vol VII, No 2

Sci - Phys Sec
Aug 62

COMPRESSION OF ELASTOVISCOUS CYLINDRICAL BODIES IN
PLASTOMETERS WITH PLANE-PARALLEL PLATES, BY A. I.
LUKOMSKAYA 3 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXLII, NO 6,
1962, PP 1285-1288.

AIP
SOV PHY S - DOK
VOL VII, no / 2

SCI - PHYS

AUG 62

208,336

Conservation of $\frac{1}{2}$ Dislocation Structures in Phase Transitions, by L. I. Mirkin, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLII, No 6, 1962, pp 1289-1290.

AIP
Sov Phys - Dok
Vol VII, No 2

Sci - Phys Sec
Aug 62

The Detailed Crystal Structure of Deformed Rhenium, by I. N. Frantsevich, I. E. Shiyanskaya, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLII, No 6, 1962, pp 1291-1293.

AIP
Sov Phys - Dok
Vol VII, No 2

Sci - Phys Sec

Aug 62

Effects of Fusible Alloys on the State of Surface
Stress in Cyclically Deformed Steel, by M. I. Chayevskiy,
2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. CXLII, No 6, 1962,
pp 1294-1297.

AIP
Sov Phys - Dok
Vol VII, No 2

Sci - Phys Sec

Aug 62

THE ELASTIC PROPERTIES OF AMMONIUM DIHYDROPHOSPHATE AND
THE LAVAL-RAMAN ELASTICITY THEORY, BY K.S. ALEKSANDROV,
L. N. RYABINKIN, 3 PP.

RUSSIAN, PER, DOK AK NAUK SSR, COL CXLII, NO 6,
1962, PP 1298-1300.

AIP
SOV PHYS - DOK
VOL VII, NO 2

SCI - PHYS

AUG 62

208826

THE CRYSTAL STRUCTURE OF BERYLLONITE, NaBePO_4 , BY
N. I. GOLOVASTIKOV, 4 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXLII, NO 6,
1962, PP 1301-1304.

AIP
SOV PHYS - DOK
VOL VII, NO 2

SCI - PHYS
AUG 62

208,8,27

The Inner-Complex Compound Formed by Divalent
Platinum With Methionine, by L. M. Volshtein, M. F.
Mogilevkina, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLII, No 6,
1962, pp 1305-1307.

CB

Sci - Chem

Oct 62

PREPARATION OF 2-ARALKYL-1-INDANONE-3-OLS BY
CATALYTIC HYDROGENATION OF 2-ARYLIDEN-1,3-
INDANEDIONES, BY T. T. DUMPIIS, G. YA. VANAGS,
4 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXLII, NO 6,
1962, PP 1308-1311.

CB

SCI - CHEM

212,222

OCT 62

MECHANICAL-CHEMICAL POLYMERIZATION OF
METHACRYLAMIDE IN THE SOLID STATE, BY V. A.
KARGIN, N. A. PLATE, 4 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXLII, NO 6,
1962, PP 1312-1315.

CB

SCI - CHEM

212,223

OCT 62

Synthesis of Unsaturated Organosilicon Peroxides,
by A. K. Litkovits, T. I. Yurzhenko, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. CXLII, No 6,
1962, pp 1316-1318.

CB

Sci - Chem

Oct 62

The Effect of Dispersion on the Electron Work
Function, by A. A. Zhukhovitskii, L. A.
Andreev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLII,
No 6, Jan-Feb 1962, pp 1319-1322.

CB

Sci

Jan 63

Enthalpy and Heat Capacity of Tungsten in the
Temperature Range 0-2400°C. , by V. A. Kirilin,
A. E. Sheindlin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLII,
No 6, Jan-FEB 1962, pp 1323-1326.

CB

Sci

Jan 63

Dependence of Polarographic Catalytic
Hydrogen Waves on the Structure of
Organic Catalysts, by S. G. Miranovskii,
10 pp.

RUSSIAN, par, Doklady Akademii Nauk
SSSR, Vol. 142, No 6, 1962, pp 1327-1330.
CSIR-tr.271

336, 202

Sci
Aug 67

The Effect of the Composition of Boro-Aluminosilicate Glasses on Their Electrode and Acidic Properties, by E. P. Nikol'skii, N. P. Isokova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLII, No 6, Jan-Feb 1962, pp 1331-1334.

CB

Sci

Jan 63

The Isotope Effect in the Heat Capacity
of Certain Deuterated Compounds, by
I. B. Rabinovich, P. N. Nikolaev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. CX LII
No 6, Jan-Feb 1962, pp 1335-1338.

CE

Sci

Jan 63

Thermogalvanic Corrosion of Metals, by A. Ya.
Shatalov, I. K. Marshakov,.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLII
No 6, Jan-Feb 1962, pp 1339-1341.

CB

Sci

Jan 63

On the Measurement of Cation Transfer Numbers in
the Liquid Phase of ~~Rock~~ Portland Cement Clinker,
by P. P. Budnikov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XLII, No 6, 1962,
pp 1342-1345.

ELL Ref: 5196 1963 (1 144)
(Loan)

Sci - M/M
Aug 63

343,377

The Kinetics of Lead Ferrite Reduction of Carbon
Monoxide, by D. M. Chizhikov, T. E. Konyshkova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Chemical Technology
Section), Vol CXLII, No 6, 1962, pp 1346- .

CB

Sci

Aug 63

New Data on Tournaisian Stratigraphy of the
Tataria, by I. A. Antropov, 2 pp.

RUSSIAN, per. Dok Ak Nauk SSSR, Earth Science
Sections, Vol. CXLII, No 6, 1962, pp 1351-1354.

Amer Geol Inst

Sci
Mar 64

Effect of Metasomatism on the Origin of Granitic
Rocks in Postmagmatic Formations of South Gissar
(South Tien Shan), by R. B. Baratov, A. Kh. Khasanov,
2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLII, No 6,
1962, pp 1355-1358.

Amer Geol Inst

Sci
Mar 64

New Data on Geology of the Pytkov Kamen' Area, by
V. K. Vayner, G. I. Gurevich, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLII, No 6,
1962, pp 1359-1361.

Amer Geol Inst

Sci
Mar 64

Structural Relief and Tectonics of the North
Azov Region, by N. N. Karlov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Earth Science
Sections, Vol CXLII, No 6, 1962, pp 1362-1364.

Amer Geol Inst

Sci
Mar 64

A Through-Type Upper Devonian Carbonate Section in
the Birzsk Saddle, by V. N. Kresovnikov, O. A. Lipina,
2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Earth Science
Sections, Vol CXLII, No 6, 1962, pp 1365-1368.

Amer Geol Inst

Sci.
Mar 64

Present-Day Activity of Elbrus Volcano, by
Yu. P. Masurenkov, I. Ya. Panteleyev, 1 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Earth Science
Sections, Vol CXLII, No 6, 1962, pp 1369-1371.

Amer Geol Inst

Sci
Mar 64

Floodplains of Multichannel Rivers, by ~~V. A. Nikolayev~~
V. A. Nikolayev, 1 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Earth Science
Sections, Vol. CXLII, No 6, 1962, pp 1372-1373.

Amer Geol Inst

Sci
Mar 634

Bivalve Mollusks in Coal Measures of Siberia, by
L. A. Ragozin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Earth Science
Sections, Vol XLIII, No 6, 1962, pp 1374-1377.

Amer Geol Inst

Sci
Mar 64

Lower Paleogene Deposits in the North Aral Region,
by Ye. M. Sakunova, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Earth Science
Sections, Vol CXLI, No 6, 1962, pp 1378-1380.

Amer Geol Inst

Sci

Mar 64

Late Mesozoic Magnetic Phases in Northeast USSR,
by L. V. Firsov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, ~~S~~Earth Science
Section, Vol CXLII, No 6, 1962, pp 1381-1383.

Amer Geol Inst

Sci
Mar 64

An Hypothesis on the Origin of Natural Solutions,
by V. F. Derpgol'ts, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Earth Science
Sections, Vol CXLII, No 6, 1962, pp 1384-1386.

Amer Geol Inst

Sci
Mar 64

The First Occurrence of Diaphorite in the USSR,
by L. N. Indolev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Earth Science
Sections, Vol CXLI, No 6, 1962, pp 1387-1390.

Amer Geol Inst

Sci
Mar 64

Mineral Associations in the Alluvial Deposits of the
Kara-Darya River, by Chen' Li-Zhun', 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Earth Science
Sections, Vol CXLII, No 6, 1962, pp 1391-1394.

Amer Geol Inst

Sci

Mar 64

Distribution of Dispersed Manganese Iron and
Phosphorus in the Manganiferous Sediments of
Georgia, by G. Yu. Butuzova, L. E. Shterenberg,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Earth Science
Sections, Vol CXLII, No 6, 1962, pp 1395-1398.

Amer Geol Inst

Sci
Mar 64

A Study of the Cornification of the Cutaneous
Epithelium of the Lizard (*Lacerta Agilis*, L. Vivipara)
Using S^{35} . Methionine, by T. I. Polyakova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLII, No 6,
1962, pp 1399-1402.

AIBS

Sci

Nov 63

Steady States of Open Systems and Theory of Color
Vision, by A. K. Prits, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLII, No 6, 1962, pp 1403-1404.

Sci

Nov 63

AIBS
Amer Inst Phys
Sov Phys - Dok
Vol VII, No 2

Neifakh, E. A.
SPECIFIC INHIBITION OF REDOX ACTIVITY OF
GLYCOCLASES BY INHIBITORS OF FREE RADICAL
REACTIONS. [1962] 11p. (figs. omitted) 18refs.
Order from OTS or SLA \$1.60 63-10160

Trans. of Akademiya Nauk SSSR, Doklady, 1962,
v. 142, no. 6, p. 1405-1408.

DESCRIPTORS: Inhibition, *Glycolysis, *Enzymes,
*Oxidation-reduction reactions, Hydrases, *Free
radicals, Metals, Reduction (Chemistry).

The redox enzymes have been found to contain Zn
or can contain admixtures of other metals, and also
that metal ions make it possible for radicals to re-
combine. It is concluded that metal ions are essential
to the inhibition of enzymes by free radicals. This
research shows that the investigated inhibitors being
(Biological Sciences--Biochemistry, TT, v. 9, no. 10)
(over)

63-10160

I. Neifakh, E. A.

Office of Technical Services

Biochemical Method for the Determination of the Degree
of Parasitism in Strains of *Verticillium Dahliae*
Kleb, by G. D. Uspenskaya, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLII, No 6, 1962, pp 1409-1411.

AIBS

Sci

Nov 63

Some Problems Concerning the Fertility of the
Herring of the Oneghskiy Straits, by
L. E. Anokhina, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLII, No 6, 1962, pp 1412-1415.

AIBS

Sci

243,987

Nov 63

A Biometric Analysis of Morphological Variability of
Calanus Pacificus Brodsky (Copepoda), by K. A. Brodskii,

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLII, No 6, 1962, pp 1416-1419.

AIBS

Sci

Nov 63

The Importance of the Retina's Ganglion Cells to the
Development of the Crystalline Lens, by V. V. Popov,
A. V. Al'-sakini, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLII, No 6, 1962, pp 1420-1423.

AIBS

Sci

Nov 63

Physico-Chemical Mechanisms of the Rhythmical Electrical Potentials in Nervous Structures (The Alpha-Rhythm), by V. V. Artem'ev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section, Vol CXLII, No 6, 1962, pp ~~IX~~1424-1427.

AIBS

Sci

Nov 63

Time During Which Fluid and Dried Antiviper Sera Retain
Their Antitoxic Properties, by E. N. Pavlovskiy,
F. F. Talysin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLII, No 6, 1962, pp 1428-1431.

AIBS

Sci

Nov 63

Typological Properties of Animal Higher Nervous
Activity, by Vikt. K. Fedorov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLII, No 6, 1962, pp 1432-1435.

AIBS

Sci

Nov 63

An Example of a Function Which is Harmonic Everywhere
in Space and Bounded Outside of a Circular Cylinder,
by I. S. Arson, M. A. Evgrafov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII, No 1,
1962, pp 9-10.

Amer Math Soc
Sov Math - Dok
Vol III, No 2

Sci - Math

Sept 62

A Method of Constructing a Nonstandard Model of the
Bernays-Godel Axiomatic Theory of Sets, by Peter
Vopenka, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLI, No 1,
1962, pp 11-12.

Amer Math Soc
Sov Math - Dok
Vol III, No 2

Sci - Math

Sept 62

Eigenfunction Expansions for non-Selfadjoint Operators of
Even Order in the Space of Vector-Valued
Functions, by M. G. Ginzburg, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII, No 1,
1962, pp 13-17.

Amer Math Soc
Sov Math - Dok
Vol III, No 2

Dok - Math

211, 653

Sov 02

Expansions in Systems of Rational Functions With Fixed
Poles, by N. M. Gerasimjan, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. 158, No. 1, 1962, pp. 17-20.

Amer Math Soc
Sov Math - Dok
Vol. III, No. 2

Sci - Math

2/11/65

Sep 62

A Method for Solving Poisson's Equation, by
E. G. D'jakonov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII,
No 1, 1962, pp 21-24.

A

Amer Math Soc
Sov Math - Dok
Vol III, No 2

211,657

Sol - Math.

Sep 62

The Existence of a Linear Polynomial Operator
Affording the Best Approximation on a Class of
Functions, by N. P. Korovkin, 3 pp.

RUSSIAN, per, Dokl Ak Nauk SSSR, Vol. CHLXXX, No 1,
1962, pp 25-27.

Amer Math Soc
Sov Math - Dokl
Vol. XII, No 2

Sci - Math

211, 658⁸

Sep 62

On the Number of Divisors Within an Angle, by
Lay Dyk Thin', 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII,
No 1, 1962, pp 28-30.

~~XXXXXXXXXX~~

Amer Math Soc
Sov Math - Dok
Vol III, No 2

Sci - Math

211, 653

Sep 62

On an Application of the Method of Least Squares
to Nonlinear Equations, by A. Laugenbah, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLI, No 1, 1962, pp 231-34.

Amer Math Soc
Sov Math - Dok
Vol III, No 2

Sci - Math

Sep 62

211, 65-4

Two-Dimensional Formal Abelian Groups, by Ju. I.
Manin, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII,
No 1, 1962, pp 35-37.

Amer Math Soc
Sov Math - Dok
Vol III, No 2

Sci - Math
Sept 62

Uniqueness Theorems for the Solution of Certain
Boundary Value Problems for Equations of Mixed
Type, by B. V. Melent'ev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. CXLIII,
No 1, 1962, pp 38-41.

Amer Math Soc
Sov ~~MA~~ Math-Dok
Vol III, No 2

Sci - Math

211, 647

Sep 62

Continuation of Functions, by V. P. Mihaylov, 5 pp.

RUSSIAN, per, Dok ak Nauk SSSR, Vol CXLIII, No 1,
1962, pp 8 42-45.

Amer Math Soc
Sov Math - Dok
Vol III, No 2

Sci - Math

211, 6 48

Sep 62

On Paracompact EM Spaces and Their Continuous
Mappings, by V. Ponomarev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII,
No 1, 1962, pp 46-49.

Amer Math Soc
Sov Math - Dok
Vol III, No 2

Sci - Math

Sep 62

211, 649

A System of Quasi-Linear Equations in the Theory of
Surfaces, by B. I. Rozdestvenskiy, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. ~~EXXX~~ CXLIII,
No 1, 1962, pp 50-52.

Amer Math Soc
Sov Math - Dok
Vol III, No 2

Sci - Math

Sept 62

Adding Strength to Lozinskiy-Harsiladze's Theorem on
Polynomial Approximations, by N. A. Sapogov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII, No 1,
1962, pp 53-55.

Amer Math Soc
Sov Math - Dok
Vol III, No 2

Sci - Math

Sept 62

Combination of Lorentz Group Parameters, by
F. I. Fedarov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII,
No 1, 1962, pp 56-59.

Amer Math Soc
Sov Math - Dok
Vol III, No 2

Sci - Math

211, 650

Sep 62

ABRASIVE WEAR AND CAVITATION, BY S. P. KOZYREV,
K. K. SHAL\$NEV, 4 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXLIII, NO 1,
1962, PP 60-63.

AIP
SOV PHYS - DOK
VOL VII, NO 3

SCI - PHYS
OCT 62

212,110.

THE EFFECT OF A MAGNETIC FIELD ON SURFACE WAVES
IN A CONDUCTING FLUID, BY V. G. LEVICH, YU. YA. GUREV
GUREVICH, 3 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXLIII, NO L,
1962, PP 64-67.

AIP
SOV PHYS - DOK
VOL VII, NO 3

SCI - PHYS
OCT 62

2132,111

A Study of Secondary Processes Caused by Fast Neutral
Atoms of Alkali Metals, by U. A. Arifov, D. D. Gruich,
2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII, No 1,
1962, pp 69-71

AIP

Sov Phys - Dok
Vol VII, No 3

Sci - Phys

Oct 62

On the Phase Movement of Particles in Accelerators With
Fluctuating Parameters, by I. L. Zel'manov, A. S.
Kompaneyets, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLI, No 1,
1962, pp 72-73.

AIP

Sov Phys - Dok

Vol VII, No 3

Sci - Phys

Oct 62

TRANSFER PROCESSES IN SYSTEMS JOINED BY A CAPILLARY,
BY D. N. ZUBAREV, 3 pp.
RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXLIII, NO 1,
1962, PP 74-77

AIP
SOV PHYS - DOK
VOL VII, NO 3

SCI - PHYS
OCT 62

11
212,004

Multiple Formation of Nucleon Pairs and Supernova
Explosions, by D. A. Frank-Kamenetskiy, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII, No 1,
1962, pp 78-80.

AIP

Sov Phys - Dok

Vol VII, No 3

NASA 77 F-8215

Sci - Phys

Oct 62

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An Example of a Toroidal Magnetic Field Without
Magnetic Surfaces, by I. M. Gel'fand, M. I. Grayev, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII, No 1,
1962, pp 81-83.

AIP

Sov Phys - Dok

Vol VII, No 3

Sci - Phys

Oct 62

The Wear Resistance of a Surface Layer Under Conditions of Alternating Shear Deformations During Sliding Friction, by V. D. Evdokimov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLI, No 1, 1962, pp 84-86.

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Sov Phys - Dok

Vol VII, No 3

Sci - Phys

Oct 62